## **Construction Inspection Checklists**

Inspections before, during, and after construction are required to ensure that Stormwater Management Plans (SWMPs) are built in accordance with the approved plan. Inspectors will use detailed inspection checklists that require sign-offs by qualified individuals at critical stages of construction to ensure the contractor's interpretation of the plan is consistent with the designer's intent.

This appendix includes the following construction phase inspection checklists (see Figures L.1 through L.13):

- Green Roof Construction Inspection Report
- Rainwater Harvesting Construction Inspection Report
- Impervious Surface Disconnection Construction Inspection Report
- Permeable Pavement System Construction Inspection Report
- Bioretention Construction Inspection Report
- Sand Filter Construction Inspection Report
- Infiltration Device Construction Inspection Report
- Open Channel System Construction Inspection Report
- Pond, Wetland, and Storage Practices Construction Inspection Report
- Stormwater Management Facilities Inspection Report
- Tree Planting and Preservation Construction Inspection Report
- Stormwater Management Standard Testing Record
- Green Area Ratio Landscape Checklist

The checklists are subject to change with the latest versions available at <u>https://doee.dc.gov/swguidebook</u>

-	onstruction and Maint				
G					
	reen Roof Construction I	-		-	
Building Permit #:	Plan #:		_ Lot:_	Square:	
Project Address:				Ward	_
Contractor:				Email:	_
èngineer:				Email:	
Date Started: Final					
Jate Started: Final	Inspection Date:		_ As-B	sunt Plan Due Date:	
Green Roof Type: Extensive	Intensive New C	onstruc	tion	Retrofit of Existing Roo	of
Inspection Item		No	Yes	Remarks	Date
Green Roof Components:					
Roof/deck type:					
ConcreteMetalWood	Other (specify):				
Note: Certain roof materials, such uncoated galvanized metal, may no rooftops due to pollutant leaching a	ot be appropriate for green				
Is adequate waterproofing layer(s)	provided?				
Identify type of system					
<ul> <li>Tray system</li> <li>Built in place system</li> <li>Other</li> </ul>	(Specify)				
Do the root barrier, insulation, moi and drainage layers meet plan spec manufactures' certifications)	sture retention layer, filter fabric,				
Does the growing media meet plan growing material. (Attach invoice a					
Does the vegetation layer meet plan coverage)	n specifications? (species mixture,				
Verify vegetation source-					
<ul> <li>Plugs</li> <li>Seeds</li> <li>Pre grown mat.</li> <li>Other</li> </ul>	(Specify)				
(Attach invoice and laboratory cer					
Does the metal curbing and flashin (Attach invoice and manufacturer's	g meet plan specifications?				
· · · · · · · · · · · · · · · · · · ·	egetated areas meet plan	1			

Figure L.1 Green Roof Construction Inspection Report.

Inspection Item	No	Yes	Remarks	Date
Water Source:				
Irrigation system				
□ Hose bib				
Other(Specify)				
Is there a post-construction leak detection device?				
Solar Panels and Other Structures (if applicable):				
Are solar panels present?				
Are they installed in accordance with the plan?				
Is there 3 feet of separation between rows of panels?				
Is the lower edge of the panels at least 1 foot above the top of the green roof and the upper edge at least 2.5 feet above the top of the green roof?				
Are structures above the green roof 6.5 feet wide or less?				
Plantings and Housekeeping:				
Do plants meet size and variety specifications?				
Have all planting waste materials, and construction trash and debris been pickup and removed from the roof?				
Maintenance Plan:				
Is an approved maintenance plan provided to the person responsible for maintenance/owner?				

Figure L.1 (continued)

*	*	*		
Construction and Rainwater Harvesting C				
Building Permit # Plan and File #				lare:
Project Name and Address:				
Contractor:				
Engineer:				
Responsible For Maintenance:				
Date Started: Final Inspection Date:				
	1			Date
Inspection Items	Yes	No	Remarks	Completed
<b>Contributing Drainage Area:</b> Does the rooftop area draining to the tank match the plans?				
Conveyance: Do the gutters and downspouts meet specifications with the				
correct sizing, elevation, and slope?				
Pretreatment Is there pretreatment mechanism installed?				
Check all that apply:				
First flush diverter				
Hydrodynamic separator				
<ul> <li>Roof washer</li> <li>Leaf and mosquito screen (1 mm mesh)</li> </ul>				
<ul> <li>Dear and mosquito screen (1 min mesh)</li> <li>Other:</li> </ul>				
Pump System (where Applicable):				
Has the pump and piping to end-uses (indoor, outdoor				
irrigation, or tank dewatering release) been properly installed?				
(A copy of plumbing sign off may be needed.) Is a treatment process/system installed?				
Check all that apply and provide type/process:				
□ Filtration				
Disinfection: Type:				
Other:				
Overflow System: Overflow device is directed as shown on plans				
Catchment area and overflow area are stabilized				
Secondary stormwater treatment practice(s) (if applicable) is installed as shown on plans				
Final Inspection:				
Is water conveyed into tank and to end-uses appropriately?				
Has the system been commissioned? Include documentation of commissioning.				
commussioning.				
			Date	

Figure L.2 Rainwater Harvesting Construction Inspection Report.

Project Address:       Ward		Construction and Maintenance Bran Impervious Surface Disconnection Construction Insp Building Permit #: Plan #: Lot:	
Impervious Surface Disconnection Construction Inspection Report         Building Permit #: Plan #: Lot: Square:         Project Address: Plan #: Ward         Project Address: Email:         Contractor: Email:         Engineer: Email:         Engineer: Email:         Disconnection Type: Simple Dry Well Rain Garden Other         Disconnection Type: Simple Dry Well Rain Garden Other         Date Started: Final Inspection Date:         Inspection Items       Yes       No         Remarks       I         Have erosion and sediment controls been properly installed and maintained according to approved plans?       I         Do site exeavation and grading conform to the site plans?       I         Has the pervious receiving area avoided compaction during excavation?       I       I         Does the impervious area draining to the receiving pervious area match the plans?       I       I         Does the impervious area draining to the receiving pervious area match the plans?       I       I         Practice Geometry:       I       I       I	Impervious Surface Disconnection Construction Inspection Report         ilding Permit #: Plan #: Lot: Square:         oject Address: Ward	Impervious Surface Disconnection Construction Insp           Building Permit #:         Plan #:         Lot:	
Impervious Surface Disconnection Construction Inspection Report         Building Permit #: Plan #: Lot: Square:         Project Address: Plan #:         Project Address: Plan #:         Project Address: Plan #:         Project Address: Email:         Contractor: Email:         Engineer: Email:         Engineer: Email:         Disconnection Type: Simple Dry Well Rain Garden Other         Disconnection Type: Simple Dry Well Rain Garden Other         Disconnection Type: Simple Final Inspection Date:         May erosion and sediment controls been properly installed and maintained according to approved plans?       No         Paste excavation and grading conform to the site plans?       I         Dos site excavation and grading conform to the site plans?       I         Phasthe pervious receiving area avoided compaction during excavation?       I         Does the impervious area draining to the receiving pervious area match the plans?       I         Practice Geometry:       I	Impervious Surface Disconnection Construction Inspection Report         ilding Permit #: Plan #: Lot: Square:         oject Address: Ward	Impervious Surface Disconnection Construction Insp           Building Permit #:         Plan #:         Lot:	
Building Permit #: Plan #: Lot: Square:   Project Address: Ward   Contractor: Email:   Engineer: Email:   Engineer: Email:   Email: Email:   Disconnection Type: Simple   Disconnection Type: Simple   Disconnection Type: Simple   Project Address: As-Built Plan Due Date:     Inspection Items Yes   No Remarks   Inspection Items Yes   Sife Preparation: As-Built Plan Due Date:   Have erosion and sediment controls been properly installed and maintained according to approved plans?   Do site excavation and grading conform to the site plans?   Do site excavation?   Contributing Drainage Area: Does the impervious area draining to the receiving pervious area match the plans?	ilding Permit #:	Building Permit #: Plan #: Lot:	pection Report
Project Address:Ward Contractor:Email: Engineer:Email: Engineer:Email: Responsible for Maintenance:Email: Disconnection Type: Simple Dry WellRain GardenOther Disconnection Type: Simple Dry WellRain GardenOther Date Started:Final Inspection Date:As-Built Plan Due Date: Date Started: Final Inspection Date: As-Built Plan Due Date: Date started: As-Built Plan Due Date: Have erosion and sediment controls been properly installed and maintained according to approved plans? Do site excavation and grading conform to the site plans? Do site excavation and grading conform to the site plans? Has the pervious receiving area avoided compaction during excavation? Contributing Drainage Area: Does the impervious area draining to the receiving pervious area match the plans? Practice Geometry: I	opject Address:	•	
Contractor:	ntractor:	Project Address:W	Square:
Engineer: Email:   Responsible for Maintenance: Dry Well   Disconnection Type: Simple   Dry Well Rain Garden   Date Started: Final Inspection Date:   As-Built Plan Due Date:   Inspection Items Yes No Remarks   Remarks   Site Preparation:   Have erosion and sediment controls been properly   installed and maintained according to approved plans?   Do site excavation and grading conform to the site plans?   Do site excavation?   Contributing Drainage Area:   Does the impervious area draining to the receiving pervious area match the plans?   Practice Geometry:	gineer: Email: sponsible for Maintenance: Dry Well Rain Garden Other sconnection Type: Simple Dry Well Rain Garden Other te Started: Final Inspection Date: As-Built Plan Due Date: nspection Items Yes No Remarks Date ite Preparation: lave erosion and sediment controls been properly stalled and maintained according to approved plans? lave erosion and grading conform to the site plans? las the pervious receiving area avoided compaction uring excavation? Fractice Geometry: loos the receiving pervious area match the dimensions ad slopes shown on the plans? las a secondary practice been installed according to plan f required)? Vegetation: loos the pervious area vegetation comply with the proved planting plan and specification? opsoil mixture, soil amendments, and soil compaction omply with plan (if required)		ard
Responsible for Maintenance:       Email:       Email:         Disconnection Type: Simple       Dry Well       Rain Garden       Other         Date Started:       Final Inspection Date:       As-Built Plan Due Date:       Image: Control of the started:       Image: Controf the started:       Image: Controf t	sponsible for Maintenance:       Email:	Contractor: H	Email:
Responsible for Maintenance:       Email:       Email:         Disconnection Type: Simple       Dry Well       Rain Garden       Other         Date Started:       Final Inspection Date:       As-Built Plan Due Date:       Image: Comparison of the started:       Ima	sponsible for Maintenance:       Email:		
Disconnection Type: Simple Dry Well Rain Garden Other         Date Started: Final Inspection Date: As-Built Plan Due Date:         Inspection Items       Yes       No       Remarks       I         Site Preparation:       Image: Simple and Sediment controls been properly installed and maintained according to approved plans?       Image: Simple and Sediment controls been properly installed and maintained according to approved plans?       Image: Simple and Sediment controls been properly installed and maintained according to approved plans?       Image: Simple and Sediment controls been properly installed and maintained according to approved plans?       Image: Simple and Sediment controls been properly installed and maintained according to approved plans?       Image: Simple and Sediment controls been properly installed and maintained according to approve plans?       Image: Simple and Sediment controls been properly installed and maintained according to approve plans?       Image: Simple and Sediment controls been properly installed and maintained according to approve plans?       Image: Simple and Sediment controls been properly installed and maintained according to the site plans?       Image: Simple and Sediment controls been properly installed and Sediment controls been properly installed and sediment controls been properly installed and maintained according to the receiving pervious area match the plans?       Image: Simple and Sediment controls been properly installed and Sediment controls been p	acconnection Type:       Simple Dry Well Rain Garden Other         te Started:       Final Inspection Date:       As-Built Plan Due Date:         istered:       Final Inspection Date:       As-Built Plan Due Date:         istere resion and sediment controls been properly       As-Built Plan Due Date:		
Date Started:	te Started:		
Inspection ItemsYesNoRemarksISite Preparation: Have erosion and sediment controls been properly installed and maintained according to approved plans?IIIDo site excavation and grading conform to the site plans?IIIIHas the pervious receiving area avoided compaction during excavation?IIIIContributing Drainage Area: pervious area match the plans?IIIIPractice Geometry:IIIII	Image: Note interval       Yes       Note Remarks       Date         ite Preparation:       Image: Note interval	Disconnection Type: Simple Dry Well Rain Garden	Other
Site Preparation:       Image: Control is been properly installed and maintained according to approved plans?       Image: Control is been properly installed and maintained according to approved plans?       Image: Control is been properly installed and maintained according to approved plans?       Image: Control is been properly installed and maintained according to approved plans?       Image: Control is been properly installed and maintained according to approved plans?       Image: Control is been properly installed and maintained according to approved plans?       Image: Control is been properly installed and grading conform to the site plans?       Image: Control is been properly installed and grading conform to the site plans?       Image: Control is been properly installed according to the receiving pervisus area draining to the receiving pervisus area match the plans?       Image: Control is been properly installed according to the receiving pervisus area match the plans?       Image: Control is been properly installed according to the receiving pervisus area match the plans?       Image: Control is been properly installed according to the receiving pervisus area match the plans?       Image: Control is been properly installed according to the properly inst	ite Preparation:       Image: constraint of the second according to approved plans?       Image: constraint of the second according to approved plans?         No site excavation and grading conform to the site plans?       Image: constraint of the second according to approved plans?       Image: constraint of the second according to approved plans?         No site excavation and grading conform to the site plans?       Image: constraint of the second according to approved plans?       Image: constraint of the second according to approved plans?       Image: constraint of the second according to approved plans?       Image: constraint of the second according to the receiving area avoided compaction area match the plans?       Image: constraint of the second according to the receiving area anatch the plans?       Image: constraint of the second according to plan and specification?       Image: constraint of the second according to plan and specification?       Image: constraint of the second according to plan and specification?       Image: constraint of the second according to plan and specification?       Image: constraint of the second according to plan and specification?       Image: constraint of the second according to plan and specification?       Image: constraint of the second according to plan and specification?       Image: constraint of the second according to plan and specification?       Image: constraint of the second according to plan and specification?       Image: constraint of the second according to plan and specification?       Image: constraint of the second according to plan and specification?       Image: constraint of the second according to plan and specification?       Image: constraint of the second according	Date Started: Final Inspection Date: As-Built P	lan Due Date:
Have crosion and sediment controls been properly installed and maintained according to approved plans?       Image: Control of Contr	Iave crosion and sediment controls been properly istalled and maintained according to approved plans?       Image: control is approved plans?         No site excavation and grading conform to the site plans?       Image: control is approved plans?         Ias the pervious receiving area avoided compaction uring excavation?       Image: control is approved plans?         Contributing Drainage Area: Noes the impervious area draining to the receiving ervious area match the plans?       Image: control is approved plans?         Tractice Geometry: Noes the receiving pervious area match the dimensions nd slopes shown on the plan?       Image: control is approved plan for the plan?         Ias a secondary practice been installed according to plan f required)?       Image: control is approved plan and specification?         Noes the pervious area vegetation comply with the pproved planting plan and specification?       Image: control is approved plan (if required)	Inspection Items Yes No Remark	s Data
installed and maintained according to approved plans?       Image: constant of the site plans?       Image: constant of the site plans?         Do site excavation and grading conform to the site plans?       Image: constant of the site plans?       Image: constant of the site plans?         Has the pervious receiving area avoided compaction during excavation?       Image: constant of the site plans?       Image: constant of the site plans?         Contributing Drainage Area:       Image: constant of the site plans?       Image: constant of the site plans?         Does the impervious area draining to the receiving pervious area match the plans?       Image: constant of the plans?       Image: constant of the plans?         Practice Geometry:       Image: constant of the plans?       Image: constant of the plans of the plans?       Image: constant of the plans	installed and maintained according to approved plans?       Image: stalled and maintained according to approved plans?         installed and maintained according to approved plans?       Image: stalled and maintained according to the site plans?         installed and maintained according to the site plans?       Image: stalled and maintained according to the site plans?         installed and maintained according to the receiving ervious area match the plans?       Image: stalled according to plan for the site plans?         installed according to plan for equired)?       Image: stalled according to plan for equired)?       Image: stalled according to plan for equired)	Site Preparation:	
Has the pervious receiving area avoided compaction during excavation?       Image: Contributing Drainage Area:         Does the impervious area draining to the receiving pervious area match the plans?       Image: Contributing Drainage Area:         Practice Geometry:       Image: Contributing Drainage Area:       Image: Contributing Drainage Area:	Ias the pervious receiving area avoided compaction uring excavation?       Image: Contributing Drainage Area:         Contributing Drainage Area:       Image: Contributing Drainage Area:         When the impervious area draining to the receiving ervious area match the plans?       Image: Contributing Drainage Area:         When the plans?       Image: Contributing Drainage Area:       Image: Contributing Drainage Area:         When the plans?       Image: Contributing Drainage Area:       Image: Contributing Drainage Area:         When the plans?       Image: Contributing Drainage Area:       Image: Contributing Drainage Area:         When the plans?       Image: Contributing Drainage Area:       Image: Contributing Drainage Area:         When the plans?       Image: Contributing Drainage Area:       Image: Contributing Drainage Area:         When the plans?       Image: Contributing Drainage Area:       Image: Contributing Drainage Area:         When the plans?       Image: Contributing Drainage Area:       Image: Contributing Drainage Area:         When the plan?       Image: Contributing Drainage Area:       Image: Contributing Drainage Area:         Image: Contributing Drainage Area:       Image: Contributing Drainage Area:       Image: Contributing Area:         Image: Contributing Drainage Area:       Image: Contributing Area:       Image: Contributing Area:       Image: Contributing Area:         Image: Contring Area:       <		
during excavation?     Image: Contributing Drainage Area:       Does the impervious area draining to the receiving pervious area match the plans?     Image: Contributing Drainage Area:       Practice Geometry:     Image: Contributing Drainage Area:	uring excavation?       Image: Area:         Contributing Drainage Area:       Image: Area:         When the impervious area draining to the receiving ervious area match the plans?       Image: Area:         Practice Geometry:       Image: Area:         When the plans?       Image: Area:         When the provide planting plan and specification?       Image: Area:         When the plan (if required)       Image: Area:	Do site excavation and grading conform to the site plans?	
Does the impervious area draining to the receiving pervious area match the plans?     Image: Comparison of the plans of th	Notes the impervious area draining to the receiving ervious area match the plans?       Image: Comparison of the plans?         Practice Geometry:       Image: Comparison of the plans?       Image: Comparison of the plans?         Notes the receiving pervious area match the dimensions and slopes shown on the plan?       Image: Comparison of the plans?       Image: Comparison of the plans?         Is a secondary practice been installed according to plan f required)?       Image: Comparison of the plans?       Image: Comparison of the plans?         Vegetation:       Image: Comparison of the plan of the pervious area vegetation comply with the pproved planting plan and specification?       Image: Comparison of the plans?       Image: Comparison of the pervious area not be pervious area not be pervious area not be pervious area vegetation comply with the pproved planting plan and specification?       Image: Comparison of the pervious area not be pervious area n		
Practice Geometry:	ervious area match the plans?	Contributing Drainage Area:	
	Does the receiving pervious area match the dimensions and slopes shown on the plan?       Image: Comparison of the plan of		
	and slopes shown on the plan?       Image: constant of the plan?         alas a secondary practice been installed according to plan frequired)?       Image: constant of the plan of th		
Does the receiving pervious area match the dimensions and slopes shown on the plan?	f required)?     /egetation:       /egetation:     /egetation comply with the pproved planting plan and specification?       opsoil mixture, soil amendments, and soil compaction omply with plan (if required)     //egetation		
Has a secondary practice been installed according to plan (if required)?	Objects the pervious area vegetation comply with the pproved planting plan and specification?       Image: Compact in the provided planting plan and specification?         Soposil mixture, soil amendments, and soil compaction omply with plan (if required)       Image: Compact in the provided planting plan and specification?		
Vegetation:	pproved planting plan and specification?	Vegetation:	
Does the pervious area vegetation comply with the approved planting plan and specification?	omply with plan (if required)	Does the pervious area vegetation comply with the approved planting plan and specification?	
Topsoil mixture, soil amendments, and soil compaction comply with plan (if required)	inal Inspection:		
Final Inspection:		Final Inspection:	
Have the contributing impervious area and the receiving pervious area been stabilized?	ave the contributing impervious area and the receiving		
		Can water flow properly into the receiving pervious area?	
Can water flow properly into the receiving pervious area?	ervious area been stabilized?		
Can water flow properly into the receiving pervious area?	ervious area been stabilized?		

Figure L.3 Impervious Surface Disconnection Construction Inspection Report.

	Department of Energ			LINIONNEN		
	Construction and M	aint	enc	ance Branch		
	Permeable Pavement - CONSTRU	CT	ION	INSPECTION R	EPORT	
Building Permit #	Plan and File #			Lot:	Square:	_
Project Address:				Ward:		
Contractor:				Email		
Engineer:				Email		
Responsible For Mainte	enance:			Email		
Date Started:	Final Inspection Date:			As-Built Plan Due	Date:	_
	Inspection Items It type:Standard Enhanced	Yes	No	Remarks	Date Completed	1
according to approve Is storm water runoff Has the contributing <b>Subgrade Preparati</b> Is subgrade suitable of graded? If enhanced design (f avoided? <b>Filter Layer or Filto</b> Does the filter layer a is it installed accordin <b>Underdrain and Re</b> Does the underdrain pattern, elevation, sla Are caps placed on th of the underdrains ? Is the upstream end of Does the stone reserv free of fines) and is it Is at least 2 inches of <i>design</i> ) a maximum of <b>Surface Material:</b> Does the surface mater properly installed? Is the surface slope to evenly across it?	Fbeing diverted around the facility? drainage area been fully stabilized? ion: free of debris, standing water, properly for infiltration), is subgrade compaction er Fabric (where Applicable): and/or filter fabric meet the specifications and ng to the plan specifications? servoir Layer: meet specifications with correct hole ope, size, and number? he upstream (but not the downstream) ends of the underdrain capped? voir meet specifications (clean, washed, t installed to design depth? Taggregate provided above and ( <i>for standard</i> of 2 inches below the underdrains? terial meet the specification and has it been to spec (max 5%) and can runoff spread rial had adequate curing time (for Porous					
* * DEPARTM OF ENERGY	fines and areas of clogging?					₩E

\_\_\_\_

Figure L.4 Permeable Pavement System Construction Inspection Report.

Over Flow Drain (where Applicable):			Т			
Is overflow invert at correct elevation?						
Observation Well:						
Is observation well(s) placed per plan spec	cification?					
Setback:			+			
If facility is within 10 feet of property line waterproofing protection provided?	/building, is adequate					
Final Inspection:			+			
Observation well(s)/cleanout(s) free of consediment?	nstruction debris and					
Can water infiltrate properly into the pract	ice?					
Note: Material invoices and certifications shou	ld be submitted to show conf	formance	to :	specifications.		
Owner/Agent	Inspector			Da	te	
	Page	<b>2</b> of <b>2</b>				

Construction and Maintenance Branch         Bioretention Construction Inspection Report         Building Permit #: Plan and File#: Lot: Square:         Project Address: Ward         Contractor: Email:         Engineer: Email:         Date Started: Final Inspection Date:         Marks         Date
Building Permit #:       Plan and File#:       Lot:       Square:         Project Address:           Contractor:        Email:
Building Permit #: Plan and File#: Lot: Square:         Project Address: Ward         Contractor: Email:         Engineer: Email:         Responsible For Maintenance: Final Inspection Date:         Date Started: Final Inspection Date:
Project Address: Ward Contractor: Email: Engineer: Email: Responsible For Maintenance: Email: Date Started: Final Inspection Date: As-Built Plan Due Date:
Contractor:       Email:         Engineer:       Email:         Responsible For Maintenance:       Email:         Date Started:       Final Inspection Date:         As-Built Plan Due Date:       Image: Contract of the started of th
Engineer:          Responsible For Maintenance:          Date Started:          Final Inspection Date:          As-Built Plan Due Date:
Engineer:          Responsible For Maintenance:          Date Started:          Final Inspection Date:          As-Built Plan Due Date:
Responsible For Maintenance:       Email:         Date Started:       Final Inspection Date:         As-Built Plan Due Date:
Date Started: Final Inspection Date: As-Built Plan Due Date:
Inspection Items Yes No Remarks Date
Bioretention type : Standard Enhanced
: Online Offline
Inflow/Overflow:
Are inflow/overflow/outflow inverts at the correct elevations?
Is stormwater runoff being diverted around practice during construction (if possible)?
Is adequate erosion and sediment control measure(s) placed/installed around the bioretention?
Is inflow pipe to practice covered with filter fabric to prevent debris from entering?
Is pretreatment provided per the approved plan?
Is ponding depth per design (3 inches minimum, 18 inches maximum)?
Grading:
Has bioretention area been graded as indicated in the plan?
If design includes infiltration, is subgrade compaction avoided??
Setback:
If facility is within 10 feet of property line/building, is adequate waterproofing membrane provided?



Inspection Items	Yes	No	Remarks	Date
Does the underdrain meet plan specifications for elevation and slope?				
Are cleanouts/observation wells and caps installed according to the plan specifications?				
Does the aggregate meet plan specifications?				
Does the aggregate depth match the plan?				
Filter Media:				_
Does the filter media meet specifications? (Attach lab report and material certification.)				
Does the filter media depth match plan specifications?				
Plant Materials:				
Are all plants installed as per landscape plan?				
Is mulch/top soil installed as per plan specifications?				
Has the contributing drainage area been fully stabilized?				
Observation Well:				
Are cleanouts/observation wells free of construction debris and soil?				
Owner/ Agent Inspector			Date	

Figure L.5 (continued)

	* *	*		
Cons	truction and M	aintenance Bro	anch	
Sand F	ilter Construct	ion Inspection	Report	
Building Permit #	Plan and File #	Lot:	Square:	
Project Address:				
Sewer Type: CSSMS4	Other		Ward:	
Contractor:		Email		
Engineer:		Email		
Responsible For Maintenance:		Email		_
Date Started:	Final Insp	ection Date:		
Structure Type: Cast in placed Prefa	bricated Name of	Plant:		
As-Built Plan Due Date:				
Inspection Items:	Yes N	lo	Remarks	Date Completed
Subgrade:				
Is sub grade suitable? ( free of debris, stand	ing water)			
Is a subgrade Suitability Certification provi	ded?			
Prefabricated Structure:				
Are shop drawings provided?				
Do type and location of openings meet spec	ifications?			
Cast-In-Place Structure:				
Are structural drawings provided?				
Is a certification provided on steel placemer	nt?			
Is a load ticket provided showing concrete s	strength and mix?			
Is a certification provided for concrete place	ement?			

Figure L.7 Sand Filter Construction Inspection Report.

Leak Test: Does the leak test meet specifications	? (Attach Form)		
Inflow Chamber:			
Does the orifice/ submerged weir oper of the approved plan? (dimensions)	ning meet specifications		
Is overflow/bypass installed per appro (size, support, sealed)	ved plan?		
Filter Chamber :			
Is underdrain installed per approved p (specifications, number size and spaci	lan? ng of holes )		
Is filter bed installed per approved pla (specifications of sand, gravel and filt	n? er cloth)		
(Attach Materials Invoice)			
<b>Outflow Chamber:</b>			
Dewatering valve installed per approv	ed plan?		
Are perforated pipe openings installed	?		
Sump pit required?			
Back Fill: Does backfill soil conform to specific.	ations?		
Is a certification for lift, thickness and	density test provided?		
Owner/ Agent	Inspector	Date	
	Paa	e <b>2</b> of <b>2</b>	
	' ug		

Figure L.6 (continued)

			THE DISTRICT OF Energy and Env		
		Í			
Cons	tructio	on an	d Maintenanc	e Branch	
Infiltration	Devie	e Co	nstruction Ins	spection Report	
Building Permit #F	'lan #		Lot:	Square:	_
Project Address:					
Contractor:					_
Engineer:					
Responsible For Maintenance:					
Date Started:	Final	Inspect	ion Date:		
Structure Type: Infiltration Trench Dry W	/ell	0	ther		_
As-Built Plan Due Date:					_
Inspection Items	Yes	No	Remarks	Date Con	npleted
Infiltration device	105	110	i centur no	Dute con	aproced
Is the infiltration device located as per approved plan?					
Are dimensions per approved plan					
specifications? (width, depth, length or diameter and depth)					
Is the soil consistent with soil boring results and are infiltration test holes location s					
indicated? Does the filter fabrics meet the approved plan specifications and is installed per the					
approved plan specifications? Does all sand, stone or aggregate types meet					
the approved plan specifications?					
Connections					
Do under drain, overflow or retention structure meet the approved plan specifications? (Circle One) Connected to					
MS4 or CSS? Are cleanouts installed per approved plan?					
Are invoices provided for all materials?					
Back Fill and Stabilization					
Back Fill and Stabilization Does the back fill comply with the approved plan specifications?					
Does the back fill comply with the approved	_Inspecto	or		Date	
Does the back fill comply with the approved plan specifications?	_ Inspecto	or		Date	<b>*</b> _*

Figure L.8 Infiltration Device Construction Inspection Report.

Department of Energy $\star$				
		_		
Construction and Mai	ntenan	ce Br	anch	
Open Channel System Constr	uction In	spect	ion Report	
Building Permit #: Plan and File#:		Lot:	Square:	
roject Name and Address:			Ward	
Contractor:			Telephone:	
Engineer				
-				
esponsible for Maintenance:			_ Telephone:	
Open Channel System Type: Grass Channel Dry Swale	e	Wet S	Swale Other	
Date Started: Final Inspection Date:		As-Bu	ilt Plan Due Date:	
Inspection Items	Yes	No	Remarks	Date
Inspection Items Site Preparation:	Yes	No	Remarks	Date
-	Yes	No	Remarks	Date
Site Preparation: Have erosion and sediment controls been properly installed and maintained according to approved plans? Is stormwater runoff being diverted around the practice?	Yes	No	Remarks	Date
Site Preparation: Have erosion and sediment controls been properly installed and maintained according to approved plans? Is stormwater runoff being diverted around the practice? Has the contributing drainage area been fully stabilized?	Yes	No	Remarks	Date
Site Preparation: Have erosion and sediment controls been properly installed and maintained according to approved plans? Is stormwater runoff being diverted around the practice? Has the contributing drainage area been fully stabilized? Practice Geometry: Are the practice dimensions and longitudinal slope correct	Yes	No	Remarks	Date
Site Preparation: Have erosion and sediment controls been properly installed and maintained according to approved plans? Is stormwater runoff being diverted around the practice? Has the contributing drainage area been fully stabilized? Practice Geometry:	Yes	No	Remarks	Date
Site Preparation: Have erosion and sediment controls been properly installed and maintained according to approved plans? Is stormwater runoff being diverted around the practice? Has the contributing drainage area been fully stabilized? Practice Geometry: Are the practice dimensions and longitudinal slope correct as shown on the plans?	Yes	No	Remarks	Date
Site Preparation: Have erosion and sediment controls been properly installed and maintained according to approved plans? Is stormwater runoff being diverted around the practice? Has the contributing drainage area been fully stabilized? Practice Geometry: Are the practice dimensions and longitudinal slope correct as shown on the plans? Are the channel side slopes no steeper than 3:1? Have the check dams been properly installed and to the	Yes	No	Remarks	Date
Site Preparation: Have erosion and sediment controls been properly installed and maintained according to approved plans? Is stormwater runoff being diverted around the practice? Has the contributing drainage area been fully stabilized? Practice Geometry: Are the practice dimensions and longitudinal slope correct as shown on the plans? Are the channel side slopes no steeper than 3:1? Have the check dams been properly installed and to the correct elevations (where applicable)?	Yes	No	Remarks	Date
Site Preparation: Have erosion and sediment controls been properly installed and maintained according to approved plans? Is stormwater runoff being diverted around the practice? Has the contributing drainage area been fully stabilized? Practice Geometry: Are the practice dimensions and longitudinal slope correct as shown on the plans? Are the channel side slopes no steeper than 3:1? Have the check dams been properly installed and to the correct elevations (where applicable)? Pretreatment: Are the pretreatment facilities installed according to the	Yes	No	Remarks	Date
Site Preparation: Have erosion and sediment controls been properly installed and maintained according to approved plans? Is stormwater runoff being diverted around the practice? Has the contributing drainage area been fully stabilized? Practice Geometry: Are the practice dimensions and longitudinal slope correct as shown on the plans? Are the channel side slopes no steeper than 3:1? Have the check dams been properly installed and to the correct elevations (where applicable)? Pretreatment: Are the pretreatment facilities installed according to the approved plans?	Yes	N0	Remarks	Date
Site Preparation: Have erosion and sediment controls been properly installed and maintained according to approved plans? Is stormwater runoff being diverted around the practice? Has the contributing drainage area been fully stabilized? Practice Geometry: Are the practice dimensions and longitudinal slope correct as shown on the plans? Are the channel side slopes no steeper than 3:1? Have the check dams been properly installed and to the correct elevations (where applicable)? Pretreatment: Are the pretreatment facilities installed according to the approved plans? Vegetation: Does the channel surface vegetation comply with the	Yes	N0	Remarks	Date
Site Preparation: Have erosion and sediment controls been properly installed and maintained according to approved plans? Is stormwater runoff being diverted around the practice? Has the contributing drainage area been fully stabilized? Practice Geometry: Are the practice dimensions and longitudinal slope correct as shown on the plans? Are the channel side slopes no steeper than 3:1? Have the check dams been properly installed and to the correct elevations (where applicable)? Pretreatment: Are the pretreatment facilities installed according to the approved plans? Vegetation: Does the channel surface vegetation comply with the approved planting plan and specification? Topsoil mixture, soil amendments, and soil compaction	Yes	No	Remarks	Date

Figure L.9 Open Channel System Construction Inspection Report.

Inspection Items	Yes	No	Remarks	Date
Has the outfall been constructed with adequate protection as specified on the plans?				
Dry Swale Designs (where Applicable):				
Does planting soil meet design specifications?				
Does the underdrain meet specifications with correct hole pattern, elevation, and slope?				
Are at least 2 inches of aggregate provided above and below the underdrains?				
Does the reservoir storage layer drains within 72 hours?				
Dwner/Agent Inspector			,	Date

Figure L.8 (continued)

	Department of Energy and Environment $\star$ $\star$						
		Î					
Construction an	nd Mair	ntena	ance Bro	anch			
Pond, Wetland, and Storage Practices	- CON	STRI	UCTION	INSPECTIO	N REPORT		
Building Permit # Plan and File	#		L	ot:	Square:		
Project Address:				Ward:			
Contractor:			Email				
Engineer:			Email				
Responsible For Maintenance:			Email				
Type of Facility: Wet Pond Wetland Dry Pond	Unde	rground	I Detention_	Other			
Date Started: Final Inspection Date:			As-Bu	uilt Plan Due Date:			
Inspection Items	Yes	No		Remarks	Date Completed		
Contributing Drainage Area:							
Does the area draining to the practice match the plans? Practice Geometry:	_						
Are the practice dimensions correct as shown on the plans?							
Are the pond side slopes no steeper than 3:1?	_						
Is a geotextitle or clay lining provided (where appropriate)? Is the practice installed to the proper depth as shown on the							
plans?							
Pretreatment: Has the forebay been properly sized and designed as accordin to the plans?	g						
Outfall: Has the outfall been constructed with adequate protection as specified on the plans?							
Is the outfall channel lined with filter cloth and is large rip- rap provided?							
Is an emergency spillway provided?							
<b>Overflow and Trash Rack:</b> Has the riser or outflow structure been properly installed and to the correct elevations?							
Has a trash rank been properly installed according to the approved SWM plan?							
Pond Buffer/Vegetation (where applicable): Do the buffer dimensions match the plans? Is an aquatic bench properly installed?							
To an aquate bench property instance? Does the vegetation comply with the approved planting pla and specification?	n						
Final Inspection:							
Has the contributing drainage area been properly stabilized? Does the site have proper maintenance and inspection access?	,						
				Date			
Owner/Agent Inspector							

Figure L.10 Pond, Wetland, and Storage Practices Construction Inspection Report.

	* 7	* *				
	onstruction and M					
Stormwa Building Permit # P	ter Management 1					
Project Address: P						
Contractor:						
Engineer:						
Responsible For Maintenance:						
Date Started:						
Structure Type:						
Cast in Place: Pre- Cast Place:						
	int Location:			Certification		
As-Built Plan Due Date:						
Inspection Items		Yes	No	Remarks	Date Completed	
Site Preparation: Is subgrade suitable?(free of debris Is a subgrade suitability certification						
Inlets: Do inlets meet plan specifications? size)	(type, number and					
Structure: Do type and location of openings n specifications? Are all components installed as per (media cartridges, weirs, inverted p	plan specifications?					
Access: Access for each chamber, including applicable provided? (manholes, do						
Backfill : Does back fill meet specifications? Is a certification for lift, thickness a provided? System Cleaned:						
System Cleaneu:						
wner /Agent	Inspector				Date	

Figure L.11 Stormwater Management Facilities Inspection Report.

	Construction and Main	tena	ince	Branch		
	Tree Planting and Preservation Con	istruc	tion	Inspection	Report	
Building Permit #	Plan and File #			Lot:	Square:	
Project Address:				_ Ward:		_
-	nce:					
	Final Inspection Date:					
Tojeet 1 tudies5			, und , i			
						Date
	Inspection Items	Yes	No	Ren	narks	Completed
Tree Preservatio	n:					compieteu
to preserve; a desc	t report that includes an inventory of trees; trees cription of tree & soil protection during and and the selection of tree species to be					
Does the arborist plan?	report match the stormwater management					
Planting Sites:						
Is there at least 2 of average mature tree	cubic feet of useable soil per square foot of ee canopy?					
Planting Techniq	ues:					
Is the root collar e	1					
place on steep slop						
With slopes steeps on the slope?	er than 3:1, are trees planted on a level space					
L				I		

Figure L.12 Tree Planting and Preservation Construction Inspection Report.

Post-Planting Tree Prot	tection:		
	c mulch been spread over the soil		
Are trees staked only if the exposure?	here is a concern of vandalism or windy		
to parks, natural areas, and	presence and especially in or adjacent ad open spaces, has deer protection a of trunk guards or welded-wire		
wner/ Agent	Inspector	Date	

Figure L.13 (continued)

STORMWATER MANAGEMENT STANDARD TESTING RECORD						
PLAN #	_ WPD/ FILE #		_BUILDING PER	MIT #		
SQUARE	LOT		PARCEL			
NAME AND LOCATION:						
TYPE OF STRUCTURE: _						
BUILT: 🗌 Castin place		Pre-Cast		□ Other		
METHOD OF TESTING:	□ H₂O	🗌 Visual		Other		
READINGS:	Start			_		
	Difference			_		
	Allowable			_		
	Results			-		
DURATION:	(24 Hour Readir	ng)	Time	Date:		
Dentrion.				Date:		
				Date:		
READINGS TAKEN BY				Dut		
_						
TITLE:						
FOR:						
Inspector						
Date						

Figure L.14 Stormwater Management Standard Testing Record.

GOVERNMENT OF THE DISTRICT OF COLUMBIA							
DEPARTMENT OF ENERGY & ENVIRONMENT WATERSHED PROTECTION DIVISION/INSPECTION & ENFORCEMENT BRANCH							
	Ratio - Landscar						
l,	, declare as follows	5:					
Full Name of Certified Landscape Expe	ert (Printed)						
I am a Certified Landscape Expert, as confirming installation of the approved la			sible for				
Street Address (Printed)	, Washingto	n, DC, and developed p	oursuant to:				
Building Permit Number	DOEE Plan Number						
Lot Square							
The landscape elements shown on th property have been installed as approved This includes the number size, and approx	and in a manner consistent with	the standards of 11 D	CMR Chapter 34.				
Any changes or species substitutions	(if applicable) have been approve	ed by DOEE.					
A completed Landscape Maintenance	e Plan has been submitted to the	property owner.					
I declare under penalty of perjury under t	he laws of the District of Columb	ia that the following is	true and correct.				
Signature of Certified Landscape Expert	Certification/Registr	ation Number Date	5				
NOTE: If any landscape elements have bee until a revised landscape plan has been ap false information in this document, you m	pproved by the Department of Er	nergy & Environment.					
[TO B The DOEE inspector signature indicates the prese approved plan. The DOEE inspection reflects the by the inspector.		e elements to be in compli					

Figure L.15 Green Area Ratio Landscape Checklist